Set	Items	Description
S1	1893	(RNAI OR SIRNA OR RIBOZYME?) (3N) INTRON?
S2	187	S1 AND PD=<1999
S3	1014	S1 AND PY=<1999
S4	1019	S2 OR S3
S5	645	RD (unique items)
S6	25	S5 (S) TARGET?
S7	620	S5 NOT S6
S8	65	S7 (S) BIND?
S9	555	S7 NOT S8
S10	0	S9 AND (EXPRESS? (3N) SIRNA)
S11	0	S9 AND (EXPRESS? (3N) RNAI)
S12	9	S9 AND (EXPRESS? (3N) RIBOZYME?)
S13	6	S9 (S) CONSTRUCT?
S14	13	S12 OR S13

>>>KWIC option is not available in file(s): 399

14/3,K/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

0012237004 BIOSIS NO.: 199900496664

Evaluating group I intron catalytic efficiency in mammalian cells

AUTHOR: Long Meredith B; Sullenger Bruce A (Reprint)
AUTHOR ADDRESS: DUMC, Durham, NC, 27710, USA**USA

JOURNAL: Molecular and Cellular Biology 19 (10): p6479-6487 Oct., 1999
1999
MEDIUM: print
ISSN: 0270-7306
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

1999

...ABSTRACT: human cells, yet it is unclear how group I splicing reactions are influenced by intracellular **expression** of the **ribozyme** . Here we evaluate the self-splicing efficiency of group I introns from transcripts expressed by...

DESCRIPTORS:
CHEMICALS & BIOCHEMICALS: ...folding, group I **intron** , **ribozyme** , splicing, repair, pharmaceutical

14/3,K/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

0009396707 BIOSIS NO.: 199497417992

A modified group I intron can function as both a ribozyme and a 5' exon in a trans-exon ligation reaction

AUTHOR: Tasiouka Konstantina I; Burke John M (Reprint)
AUTHOR ADDRESS: Dep. Microbiol. Mol. Genet., Stafford Hall, Univ. Vermont, Burlington, VT 05405, USA**USA

JOURNAL: Gene (Amsterdam) 144 (1): p1-7 1994 1994
ISSN: 0378-1119
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: sequence to the 3' end of an attenuated form of the

self-splicing Tetrahymena rRNA **intron** . The **ribozyme** (I-E1) attacks an oligoribonucleotide analog of the 3' splice site (I'-E2) to generate...

...ligated exons (I-E1-E2) and a small intron fragment (I'). Two modified introns were **constructed** and tested for activity. A **construct** designed to interact with the 3' splice site through intermolecular P9.0 and P10 helices...

14/3,K/3 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0009243012 BIOSIS NO.: 199497264297
Synthesis of circular RNA in bacteria and yeast using RNA cyclase ribozymes derived from a group I intron of phage T4
AUTHOR: Ford Ethan; Ares Manuel Jr (Reprint)
AUTHOR ADDRESS: Biol. Dep., Sinsheimer Lab., Univ. Calif., Santa Cruz, Santa Cruz, CA 95064, USA**USA
JOURNAL: Proceedings of the National Academy of Sciences of the United States of America 91 (8): p3117-3121 1994 **1994**
ISSN: 0027-8424
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

1994

...ABSTRACT: sequences can be placed in the exon and made circular in vitro. Expression of such **constructs** (RNA cyclase ribozymes) in Escherichia coli and yeast results in the accumulation of circular RNA in these organisms. In yeast, RNA cyclase **ribozymes** can be **expressed** from a regulated promoter like an mRNA, containing 5' leader and 3' trailer regions, and a nuclear pre-mRNA **intron** . RNA cyclase **ribozymes** have broad application to questions of RNA structure and function including end requirements for RNA...

14/3,K/4 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

05841612 Genuine Article#: XB208 No. References: 43
Title: Use of adenoviral VAI small RNA as a carrier for cytoplasmic delivery of ribozymes
Author(s): Prislei S; Buonomo SBC; Michienzi A; Bozzoni I (REPRINT)
Corporate Source: UNIV ROMA LA SAPIENZA,DIPARTIMENTO GENET & BIOL MOL, FDN CENCI BOLOGNETTI, IST PASTEUR/I-00185 ROME//ITALY/ (REPRINT); UNIV ROMA LA SAPIENZA,DIPARTIMENTO GENET & BIOL MOL, FDN CENCI BOLOGNETTI, IST PASTEUR/I-00185 ROME//ITALY/
Journal: RNA-A PUBLICATION OF THE RNA SOCIETY, **1997** , V3, N6 (JUN), P 677-687
ISSN: 1355-8382 Publication date: **19970600**
Publisher: CAMBRIDGE UNIV PRESS, 40 WEST 20TH STREET, NEW YORK, NY 10011-4211
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

, **1997**
Publication date: **19970600**
...Abstract: We have investigated the utilization of the adenoviral VAI RNA

as a cytoplasmatic carrier for **expressing ribozymes** against HIV-1. The conserved 5' leader sequence of HIV was chosen as a target...
...Identifiers--VIRUS-ASSOCIATED RNA; RIBOSOMAL-PROTEIN GENE; POLYMERASE-III; INTRACELLULAR IMMUNIZATION; NUCLEOTIDE-SEQUENCES; REGULATORY **INTRON** ; HAIRPIN **RIBOZYME** ; XENOPUS-LAEVIS; CENTRAL DOMAIN; KINASE DAI

14/3,K/5 (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

05050007 Genuine Article#: TL575 No. References: 198
Title: THERAPEUTIC APPLICATIONS OF RIBOZYMES
Author(s): KIJIMA H; ISHIDA H; OHKAWA T; KASHANISABET M; SCANLON KJ
Corporate Source: CITY HOPE NATL MED CTR,DEPT MED ONCOL,1500 E DUARTE RD,MONTANA BLDG/DUARTE//CA/91010; CITY HOPE NATL MED CTR,DEPT MED ONCOL/DUARTE//CA/91010
Journal: PHARMACOLOGY & THERAPEUTICS, **1995** , V68, N2, P247-267
ISSN: 0163-7258
Language: ENGLISH Document Type: REVIEW (Abstract Available)

, **1995**
...Identifiers--VIRUS; TOBACCO RINGSPOT VIRUS; SELF-CLEAVAGE REACTION; MURINE LEUKEMIA-VIRUS; HAMMERHEAD RIBOZYME; MESSENGER-RNA; HAIRPIN **RIBOZYME** ; SATELLITE RNA; GENE- **EXPRESSION**
...Research Fronts: OF HUMAN CANCER; CLINICAL RELEVANCE; MOLECULAR PERSPECTIVES; TRANSGENIC MOUSE MODELS)
94-3833 001 (GROUP-I **INTRON** ; TETRAHYMENA **RIBOZYME** ; NUCLEAR SMALL-SUBUNIT RIBOSOMAL-RNA GENES)
94-4537 001 (CHRONIC MYELOGENOUS LEUKEMIA; DETECTION OF BCR...

14/3,K/6 (Item 1 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.

0203954 DBR Accession No.: 96-14725
Circular ribozymes generated in Escherichia coli using group-I self-splicing permuted intron-exon sequences - Anabaena sp. self-splicing intron cloning for circularized hepatitis delta virus trans-acting ribozyme expression **along with RNA-ase-P, for use in therapy**
AUTHOR: Puttaraju M; Been M D
CORPORATE AFFILIATE: Univ.Duke
CORPORATE SOURCE: Department of Biochemistry, Box 3711, Duke University Medical Center, Durham, NC 27710, USA.
JOURNAL: J.Biol.Chem. (271, 42, 26801-87) **1996**
ISSN: 0021-9258 CODEN: JBCHA3
LANGUAGE: English

- Anabaena sp. self-splicing intron cloning for circularized hepatitis delta virus trans-acting ribozyme expression **along with RNA-ase-P, for use in therapy 1996**
...ABSTRACT: of Bacillus subtilis RNA-ase-P and an artificial trans-acting hepatitis delta virus (HDV) **ribozyme** were **expressed** as the exon portion of the permuted intron. RNA from these cells contained circular forms of **ribozymes** , generated from precursors **expressed** in the cells, which showed ribozyme activity. In contrast, a linear form of the HDV **ribozyme expressed** as part of an unprocessed transcript was

inactive. These results have implications for development of...
DESCRIPTORS: circular ribozyme prep., Anabaena sp. self-splicing **intron** , hepatitis delta virus **ribozyme** , RNA-ase-P **expression** in Escherichia coli, appl. therapy RNA enzyme cyanobacterium picorna virus gene cloning bacterium (Vol.15...

14/3,K/7 (Item 2 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.

0169288 DBR Accession No.: 94-11839
A modified group I intron can function as both a ribozyme and a 5' exon in a tans-exon ligation reaction - novel system for 3' spicing reaction
AUTHOR: Tasiouka K I; +Burke J M
CORPORATE AFFILIATE: Univ.Vermont
CORPORATE SOURCE: Department of Microbiology and Molecular Genetics, Stafford Hall, The University of Vermont, Burlington, VT 05405, USA.
JOURNAL: Gene (144, 1, 1-7) 1994
CODEN: GENED6
LANGUAGE: English

...ABSTRACT: linked to the 3' end of an attenuated form of the self-splicing Tetrahymena rRNA **intron** . The **ribozyme** (I-E1) attacked an oligoribonucleotide analog of the 3' splice site (I'-E2) to generate ...

... ligated exons (I-E1-E2) and a small intron fragment (I'). 2 Modified introns were **constructed** and tested for activity. A **construct** designed to interact with the 3' splice site through intermolecular P9.0 and P10 helices...

14/3,K/8 (Item 3 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.

0154760 DBR Accession No.: 93-12812
A circular trans-acting hepatitis delta virus ribozyme - generated by splicing of group-I intron precursor RNA
AUTHOR: Puttaraju M; Perrotta A T; +Been M D
CORPORATE SOURCE: Department of Biochemistry, Duke University Medical Center, Durham, NC 27710, USA.
JOURNAL: Nucleic Acids Res. (21, 18, 4253-58) 1993
CODEN: NARHAD
LANGUAGE: English

DESCRIPTORS: circular trans-acting hepatitis delta virus **ribozyme construction** , group-I **intron** precursor RNA splicing enzyme (Vol.12, No.22)

14/3,K/9 (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)

132318575 CA: 132(24)318575a PATENT
Ribozyme-mediated gene regulation
INVENTOR(AUTHOR): Choulika, Andre; Mulligan, Richard C.
LOCATION: USA

ASSIGNEE: The Children's Medical Center Corporation; The Institute Pasteur
PATENT: PCT International ; WO 200024912 A1 DATE: 20000504
APPLICATION: WO 99US24781 (19991022) *US PV105472 (19981023) *US PV111579 (19981209)
PAGES: 86 pp. CODEN: PIXXD2 LANGUAGE: English
PATENT CLASSIFICATIONS:
CLASS: C12N-015/63A; C12N-015/67B; C12N-015/86B; C12N-015/10B; C12Q-001/68B; A01K-067/027B; C12N-005/10B
DESIGNATED COUNTRIES: AE; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CR; CU; CZ; DE; DK; DM; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM
DESIGNATED REGIONAL: GH; GM; KE; LS; MW; SD; SL; SZ; TZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG

14/3,K/10 (Item 2 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)

130022238 CA: 130(3)22238p PATENT
Enzymic ribozyme treatment of diseases or cancers related to expression of c-raf gene
INVENTOR(AUTHOR): Jarvis, Thale; Matulic-Adamic, Jasenka; Reynolds, Mark; Kisich, Kevin; Bellon, Laurent; Parry, Tom; Beigelman, Leonid; McSwiggen, James A.; Karpeisky, Alexander; Burgin, Alex; Thompson, James; Workman, Christopher T.; Beaudry, Amber; Sweedler, David
LOCATION: USA
ASSIGNEE: Ribozyme Pharmaceuticals, Inc.; et al.
PATENT: PCT International ; WO 9850530 A2 DATE: 19981112
APPLICATION: WO 98US9249 (19980505) *US 46059 (19970509) *US 49002 (19970609) *US 51718 (19970703) *US 56808 (19970822) *US 61324 (19971002) *US 61321 (19971002) *US 64866 (19971105) *US 68212 (19971219)
PAGES: 259 pp. CODEN: PIXXD2 LANGUAGE: English
PATENT CLASSIFICATIONS:
CLASS: C12N-009/00A
DESIGNATED COUNTRIES: AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GE; GH; GM; GW; HU; ID; IL; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; US; UZ; VN; YU; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS ; MW; SD; SZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG

14/3,K/11 (Item 3 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)

129105230 CA: 129(9)105230k PATENT
Intron-mediated recombinant techniques and reagents
INVENTOR(AUTHOR): Jarrell, Kevin A.
LOCATION: USA
ASSIGNEE: President and Fellows of Harvard College
PATENT: United States ; US 5780272 A DATE: 19980714
APPLICATION: US 488015 (19950607) *US 119512 (19930910)
PAGES: 56 pp. Cont.-in-part of U.S. 5,498,531. CODEN: USXXAM LANGUAGE: English

PATENT CLASSIFICATIONS:
CLASS: 435091310; C12N-015/11A; C12N-015/13B; C12P-019/34B

14/3,K/12 (Item 4 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)

120210049 CA: 120(17)210049v PATENT
Ribozymes for prevention of replication of RNA viruses
INVENTOR(AUTHOR): Draper, Kenneth G.; Dudycz, Lech W.; Mcswiggen, James A.; Macejak, Dennis G.; Holecek, James J.; Mamone, J. Anthony
LOCATION: USA
ASSIGNEE: Ribozyme Pharmaceuticals, Inc.
PATENT: PCT International ; WO 9323569 A1 DATE: 931125
APPLICATION: WO 93US4020 (930429) *US 882689 (920511) *US 882712 (920514) *US 882713 (920514) *US 882714 (920514) *US 882823 (920514) *US 882824 (920514) *US 882886 (920514) *US 882888 (920514) *US 882889 (920514) *US 882921 (920514) *US 882922 (920514) *US 883823 (920514) *US 883849 (920514) *US 884073 (920514) *US 884074 (920514) *US 884333 (920514) *US 884422 (920514) *US 884431 (920514) *US 884436 (920514) *US 884521 (920514)
PAGES: 287 pp. CODEN: PIXXD2 LANGUAGE: English
PATENT CLASSIFICATIONS:
CLASS: C12Q-001/68A; C07H-015/12B; C12P-019/34B; A61K-048/00B; C12N-015/70B
DESIGNATED COUNTRIES: AU; CA; JP DESIGNATED REGIONAL: AT; BE; CH; DE; DK ; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

14/3,K/13 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01495878 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.
BIOLOGISCHE FUNCTIONEN VON HISTON H1 IN DER FRUEHEN ENTWICKLUNG VON XENOPUS LAEVIS
Original Title: BIOLOGICAL FUNCTIONS OF HISTONE H1 IN EARLY DEVELOPMENT OF XENOPUS LAEVIS

Author: KANDOLF, HARALD
Degree: DR.NAT.
Year: **1992**
Corporate Source/Institution: UNIVERSITAET WIEN (AUSTRIA) (0671)
Source: VOLUME 57/03-C OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 934. 125 PAGES

Year: **1992**

...at gastrula by a specific knockout of H1A mRNA. The experimental access was achieved by **expression** of hammerhead **ribozymes** as **introns** of tRNA molecules, a **construct** which adds the stability characteristics of tRNAs to the specificity of ribozymes. The application in...

```
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         (c) 2006 CSA.
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Set	Items	Description
S1	1893	(RNAI OR SIRNA OR RIBOZYME?) (3N) INTRON?
S2	187	S1 AND PD=<1999
S3	1014	S1 AND PY=<1999
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S9	555	S7 NOT S8
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S11	0	S9 AND (EXPRESS? (3N) RNAI)
S12	9	S9 AND (EXPRESS? (3N) RIBOZYME?)
S13	6	S9 (S) CONSTRUCT?
S14	13	S12 OR S13